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AMENDMENT UNDER 37 C.F.R. §1.116
EXPEDITED PROSECUTION
ART UNIT 1808

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Ramnath Sasisekharan, Daniel Lhse, Charles L. Cooney, and Robert S. Langer

SERIAL NO: 07/983,367 ART UNIT: 1808

FILING DATE: November 30, 1992 EXAMINER: D.Ware

FOR: Purification, Composition and Specificity of Heparinase I, II, and III from *Flavobacterium heparinum*

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

RECEIVED

JUN 16 1994

GROUP 1800

AMENDMENT UNDER 37 C.F.R. §1.116

Sir:

Responsive to the Office Action mailed March 8, 1994,
please amend the application as follows.

In the Claims

1. (two times amended) ^{An isolated} ~~A purified~~ heparinase II ^{from} ~~present in Heparinum~~ ^{heparinum} ~~Flavobacterium~~ free of lyase activity other than heparinase II activity, having a molecular weight of 84,100, cleaving heparin and heparan sulfate and having a pH optimum of 8.9-9.1.

2. (two times amended) ^{An isolated} ~~A purified~~ heparinase III ^{from} ~~which is expressed in Heparinum~~ ^{heparinum} ~~Flavobacterium~~ free of lyase activity other than heparinase III activity, having